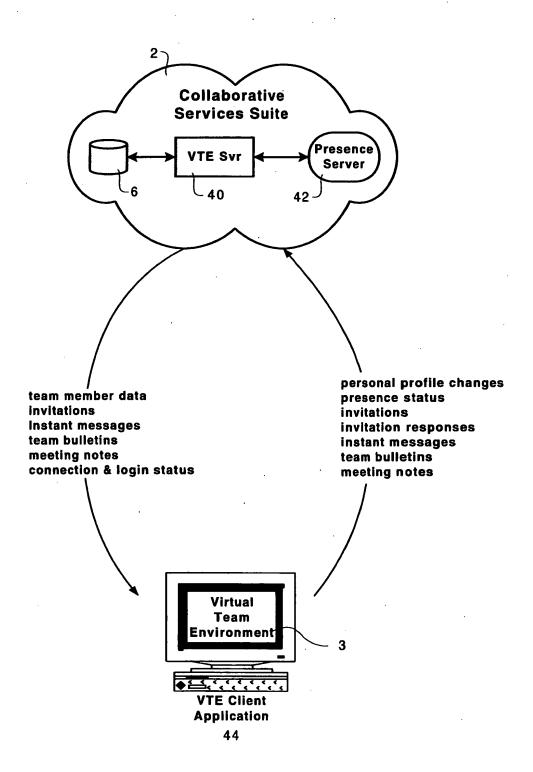


FIG. 6

FIG. 7





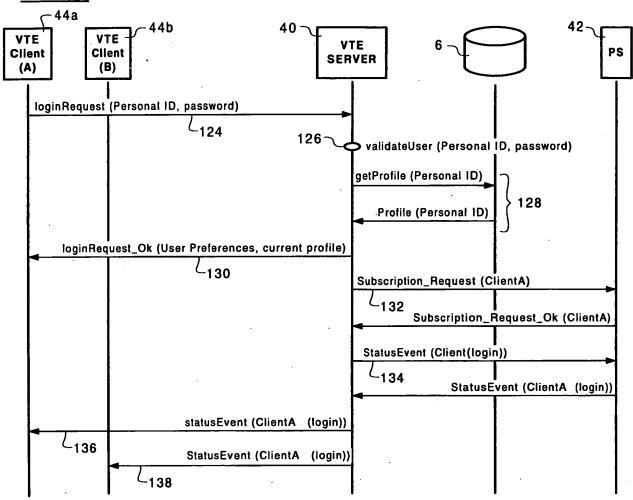


FIG. 9

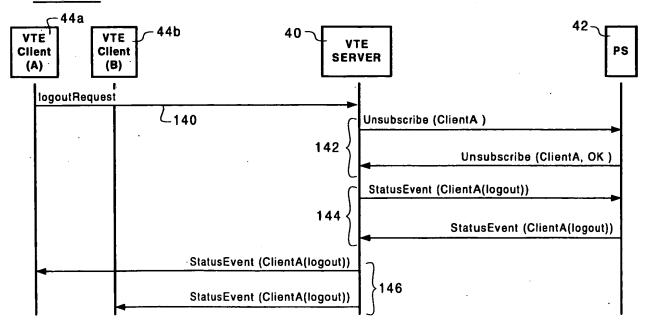
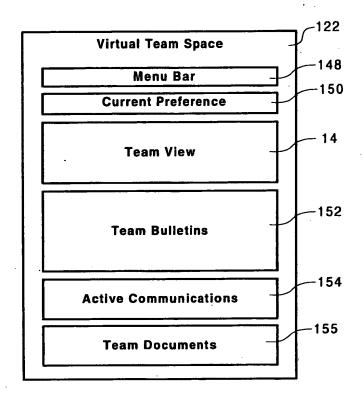


FIG. 10



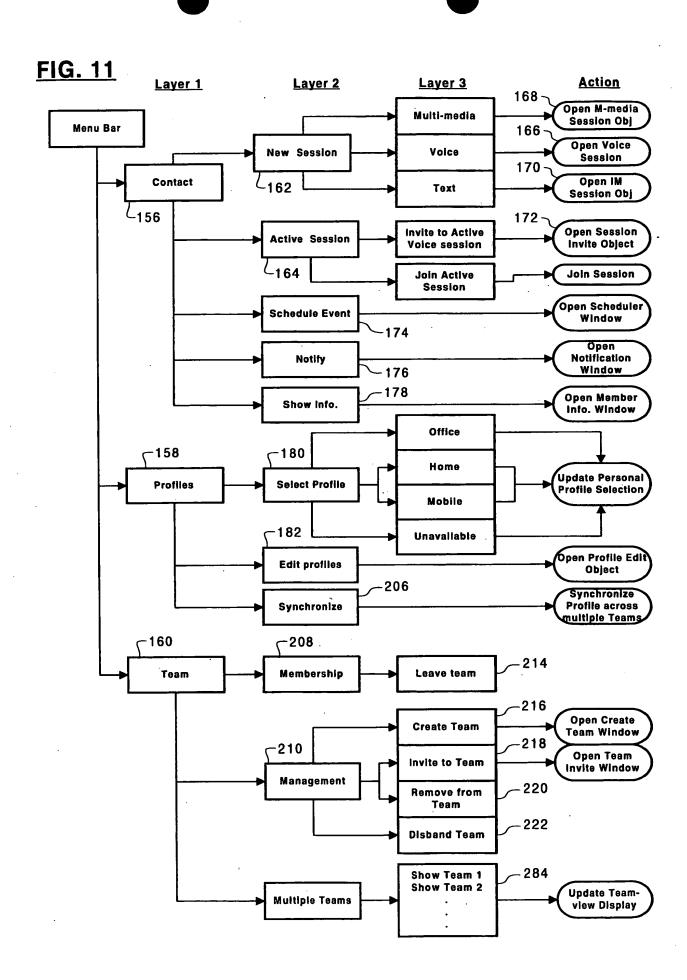


FIG. 12

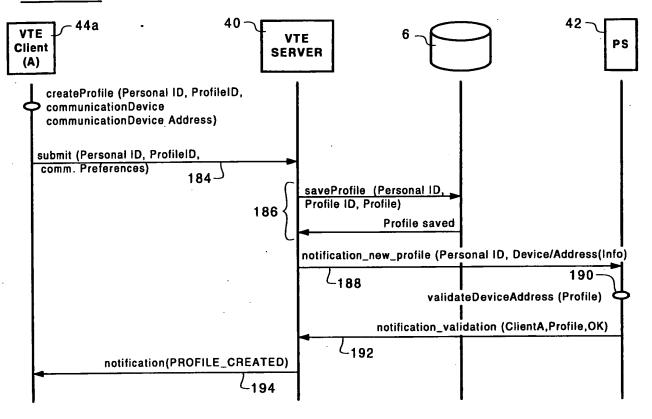
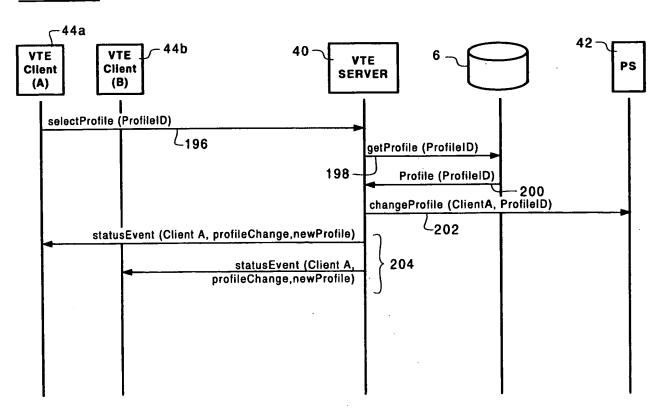


FIG. 13



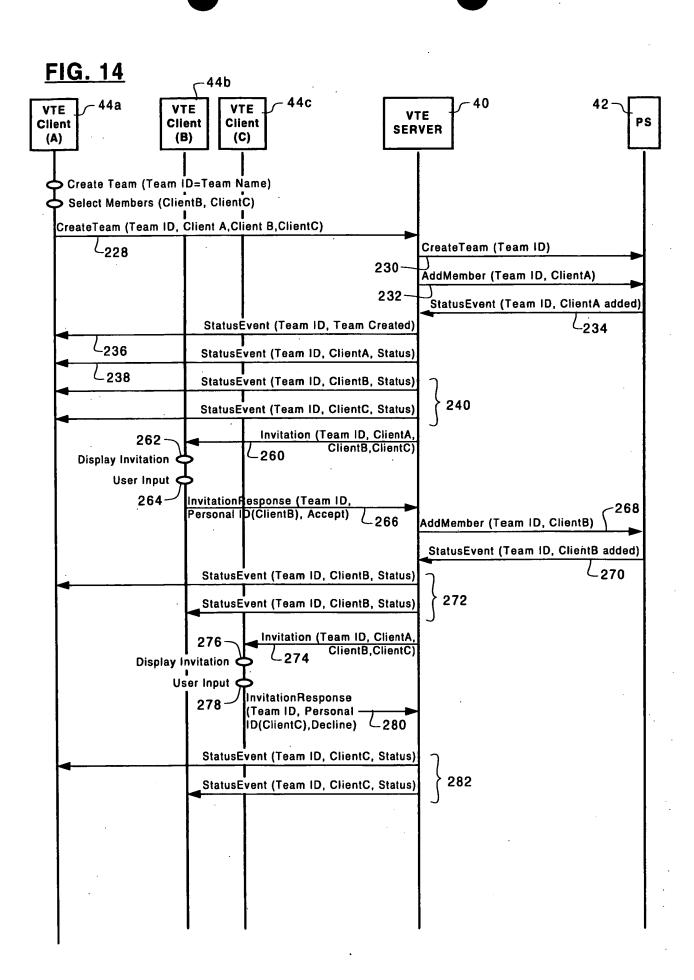


FIG. 15

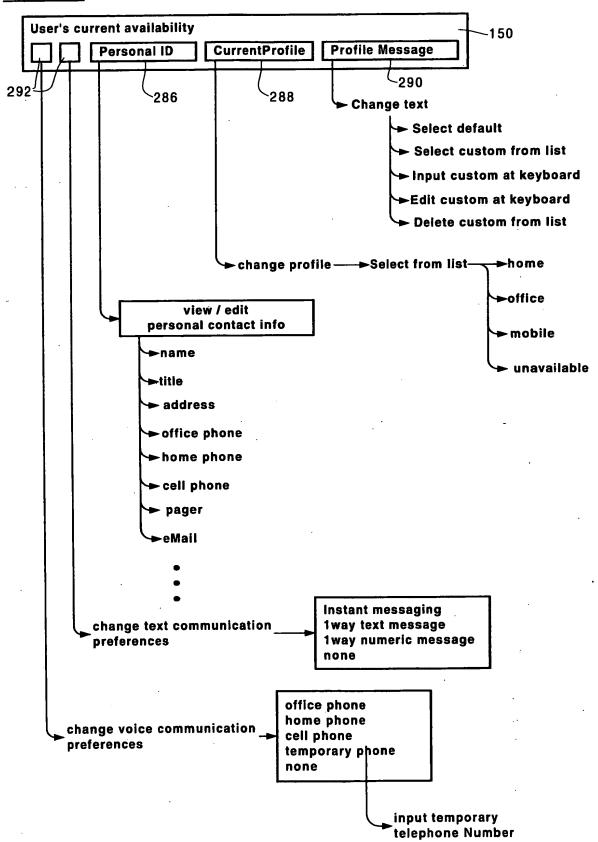


FIG. 16

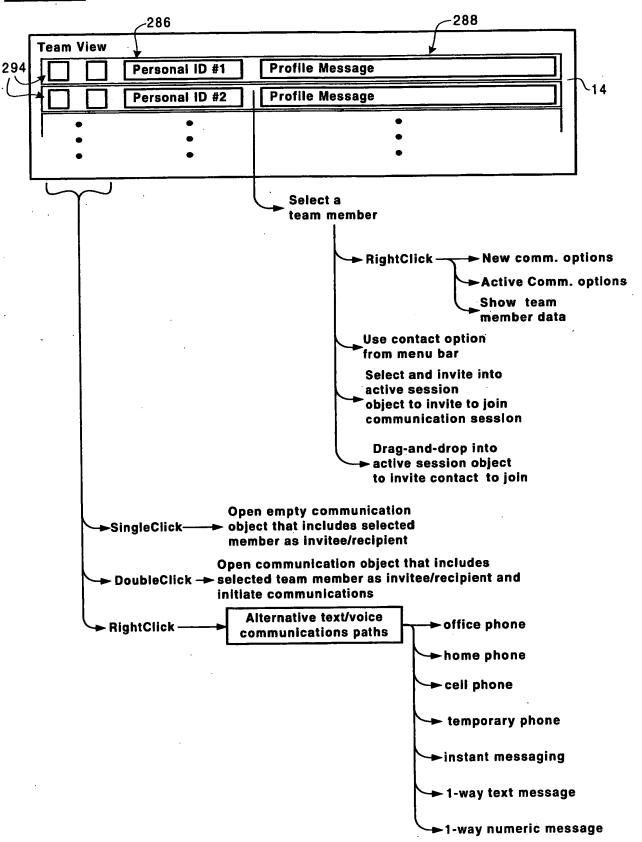
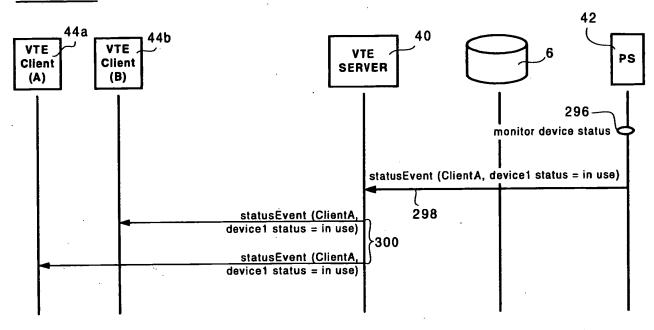


FIG. 17



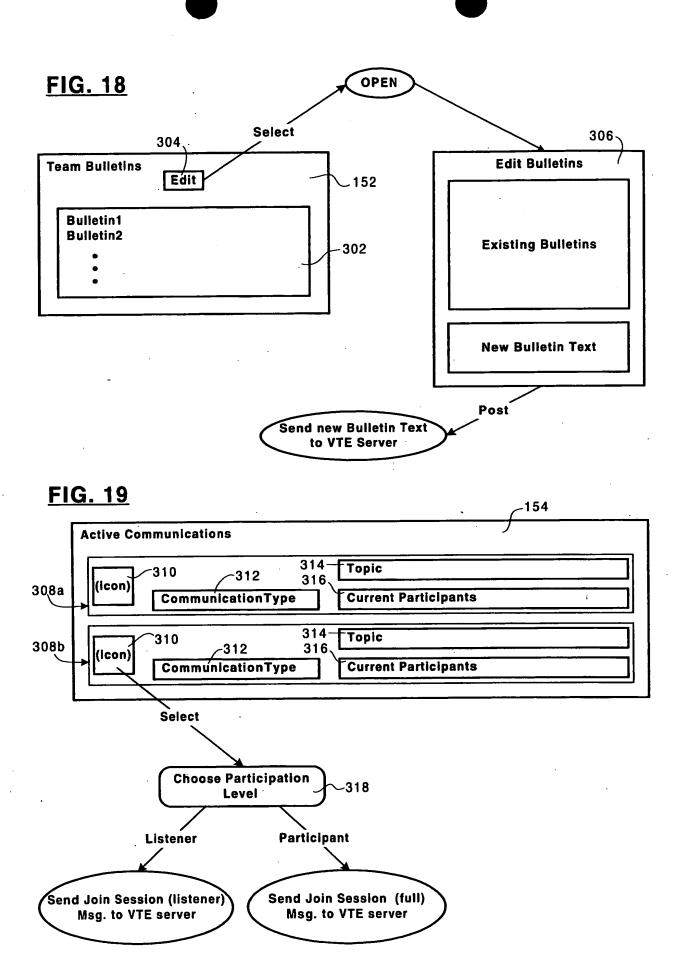
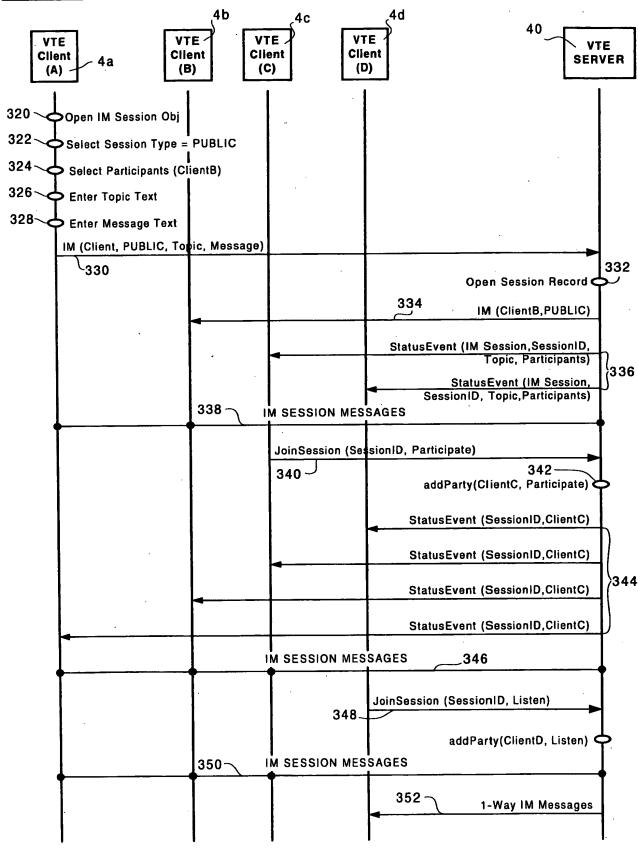
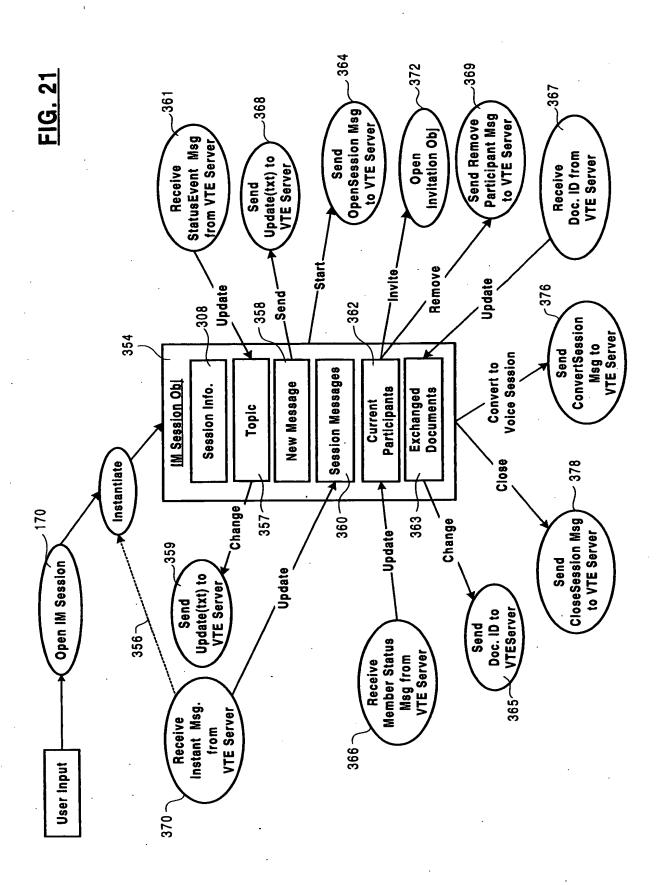
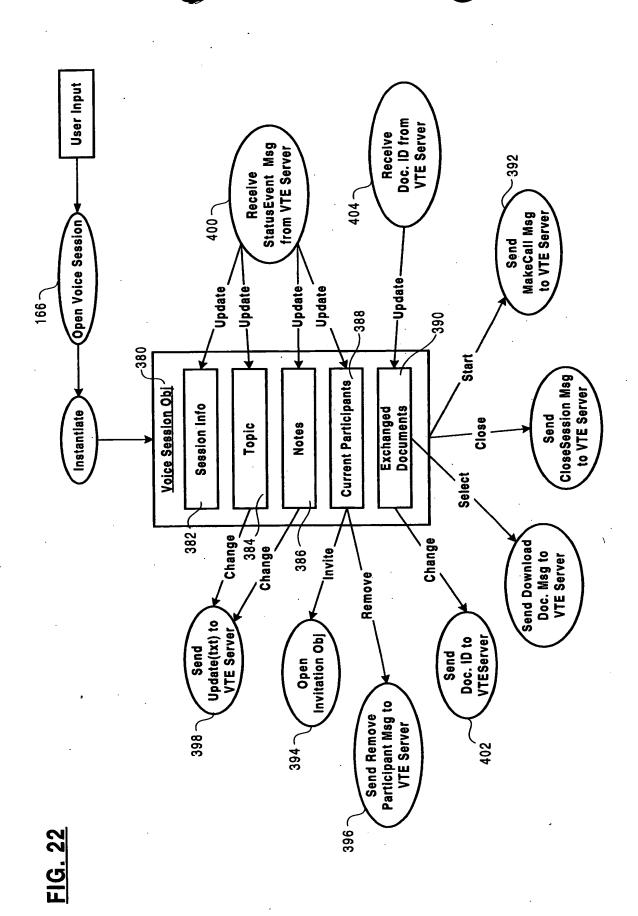
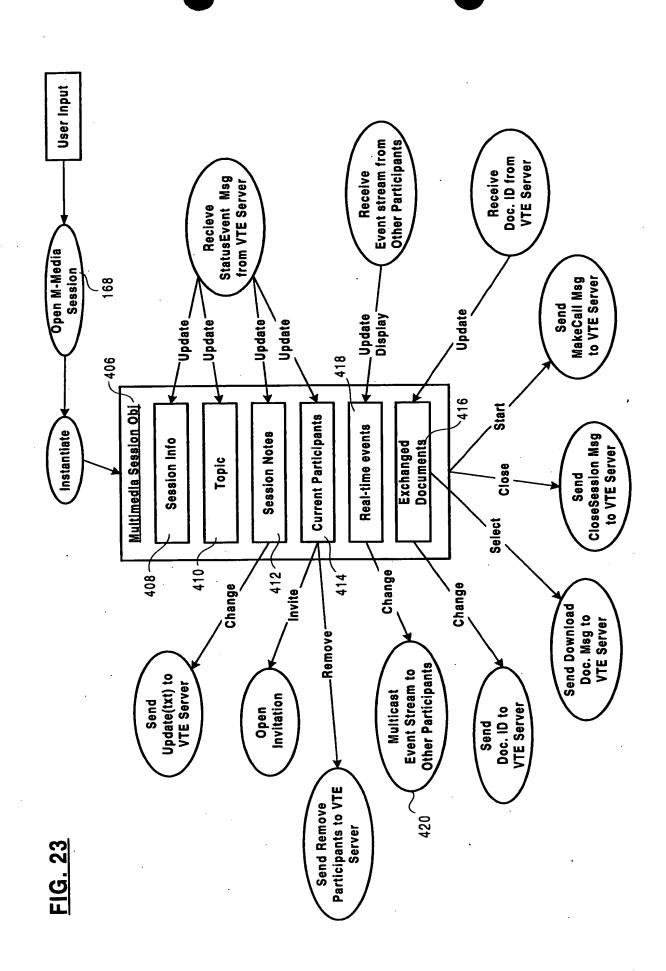


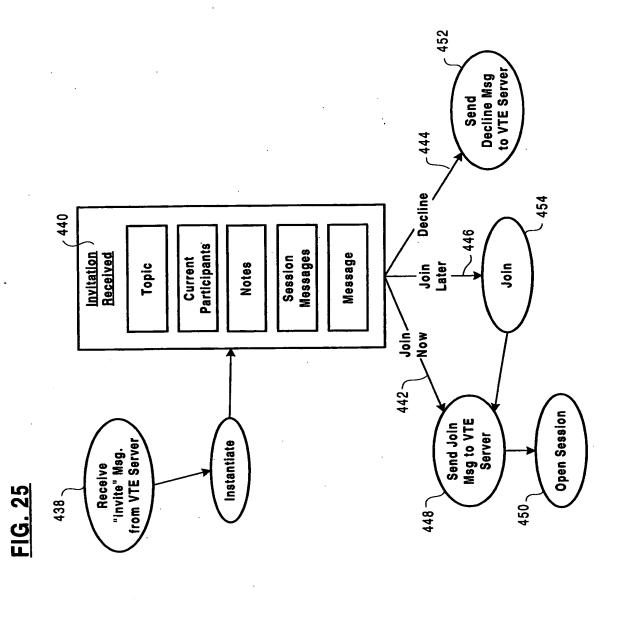
FIG. 20











Send "Invite" Msg to VTE Server Invitation Obj Select Person Participants Directory search Messages Message to Invite Session Current Session Invite Notes Topic 할 FIG. 24 436 430 -434 422 -426 -428 -432 ~

ISUP-IAM [Parity Code, CIC=E-ISUP(B)] 538) ISUP-IAM (DN=DN(B); CIC=E-ISUP(B)] ISUP-IAM [DN=DN(A); CIC=E-ISUP(A)] Session ID Translate SY SY 546 √ 552 Status Event (Call, A.B) StatusEvent (Call, A,B) StatusEvent (Call, A, B) E-ISUP (6) 534 ISUP-ACM ISUP-ANM ISUP-IAM ← O E-ISUP (C) ISUP- ISUP-IAM 510 **518 √526** 530 ر 556 ر 560 -564 O FASUP O 532 **ISUP-ACM** ISUP-ANM 540 **5**4 ر550 FIG. 26 Set Up 2-Way Voice Communications Session ISUP-IAM [DN=DN(A)] C 516 C 524 SSP (Z) ISUP-ACM SUP-ANM -512 "Ring" ISUP-ACM ISUP-ANM gg & "Ring" 548 545 O Display Session SessionRequest (A, Session Type) 7514 ر 520 O Display Session A GU Answer VTE ClientiB) Unitiate Session 562 505[→] YTE Cilentia Answer 500 558

Insert Routing Code

- 528

-508

O Insert DN(B)

CallCreated (A,B)

∟ 554

O Display Session

568

CONVERSATION A,B

-536

Conf. Bridge

SS (D)

VSP

Conf. Bridge SSP (O) 574 Archive Voice Comm. Session 576 VSP SessionClosed (A,B) ISUP-REL [CIC=E-ISUP(A)] ISUP-RLC ISUP-REL [CIC=E-ISUP(B)] ISUP-REL [CIC=E-ISUP(A)] -610 CloseSession (Session ID) 왏 602ر Status Event (Sesssion Type, A, B, Closed) Status Event (Session Type, A, B, Closed) StatusEvent (Session Type, A, B, Closed) -59**4** ISUP-RLC ر 596 **588** 290 1009 ISUP-REL 580 SUP-RLC ISUP-REL ISUP. 591 REL 578 ISUP-RLC **604** 909 L 592 ISUP-RLC ر612 ر616 620 ISUP-RIC ISUP-REL 785 SSP) idle line **√ 584** (gg E ISUP-RLC → Remove Session (gg & idle line 572 -608 VIE Cilentici A Remove Session -586 Select Close Session YTE Glentible Close(Session ID) A Remove Session VIE Clent(A) 570

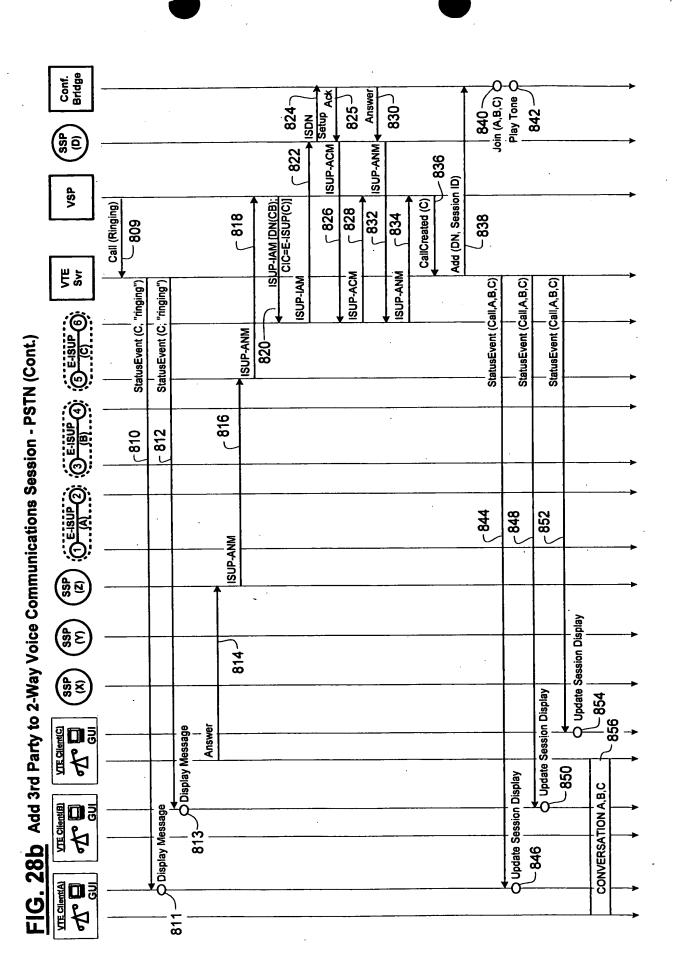
FIG. 27 Close 2-Way Voice Communications Session

Conf. Bridge

- 648 Setup Create Session Session ID)
NewSession [DN, Session ID] SS (O 658 KIII REL VSP SUP-REL [CIC=E-ISUP (A)] ISUP-IAM [DN=DN(CB); CIC=E-ISUP(A)] O Translate -635 Svr Svr Franslate Session ID 🔷 StatusEvent (C, "trying") StatusEvent (C, "trying") StatusEvent (C, "pending") StatusEvent (C, "pending") Invitation (A, Topic Message, Meeting Notes, Participants, Session ID) 626~ (S) E-ISUP ر 656 629 652 -653 ر662 ر 990 SUP/ ISUP-REL Add 3rd Party to 2-Way Voice Communications Session - PSTN 7655 SUPALC ISUP-IAM 劉持 () EISUP () 654~ 636 -638 **629** ر627 625 ر 634 631 AddParty (Session ID, C, Topic, Message, Meeting Notes) 632 O Display Invitation | 633 | Accept Invitation | Join(Session ID) SSP X VIE Glendo O Display Message ∯ Display Message VIE Cleates O Display Message O Display Message A Select Add Party 630 639 FIG. 28 VTE ClientiA) 624-637

650

90 Conf. Bridge Setup Ack Answer | 800 Join (A,B) Play Tone 9 Answer Play Message 969 ر **665** C 670 684 693 SSP (a) ISUP-ACM * ISUP-ANM ISUP-ACM ISUP-ANM Add (DN, Session ID) VSP 704 CaliCreated (B) ISUP-IAM [DN=DN(C); CIC=E-678 CallCreated (A) ISUP-IAM [DN=DN(CB); CIC=E-ISUP(B)] **697** - 808 200 ر 999 ر672 200ر 804 GE-ISUP (C) ISUP-ACM 702 **688** 7 **694 674** 999 Add 3rd Party to 2-Way Voice Communications Session - PSTN (Cont.) ISUP-IAM (O E-ISUP (D) 989 ISUP-ACM ISUP-ANM ISUP-IAM 7807 ISUP-ACM ISUP-ANM (O E-ISUP (O) ر 805 ISUP-ACM (S (Z) SSP SSP 806 (SS) YIE Cleans 803 VIE CHORED CONVERSATION A,B 28a VIE Cliente A.



SSP (D) ISUP-RLC ISUP-RLC -904 Archive Comm. Session VSP ISUP-REL [CIC=E-ISUP(A)] ISUP-REL [CIC=E-ISUP(B)] ISUP-REL [CIC=E-ISUP(B)] ISUP-REL [CIC=E-ISUP(A)] CloseSession (Session ID) ر 942 -930 Syr Syr 902 G E-ISUP (940 € 920 1944 918 919 −928 **938** € ISUP-RLC **916** ISUP-REL ISUP-RLC ISUP-REL ا 308 906 ISUP-RLC ISUP-REL ISUP-RLC -932 934 Close 3-Way Voice Communications Session ISUP-REL SSP (Z) ISUP-RLC -912 SSP -910 ISUP-RLC idle line SS X 006 idle line 936 YE Glendo 7914 Select Close Session YE CHANGE Close(Session ID) FIG. 29 A GE YTE Client(A) 858

922 \Release

Ack

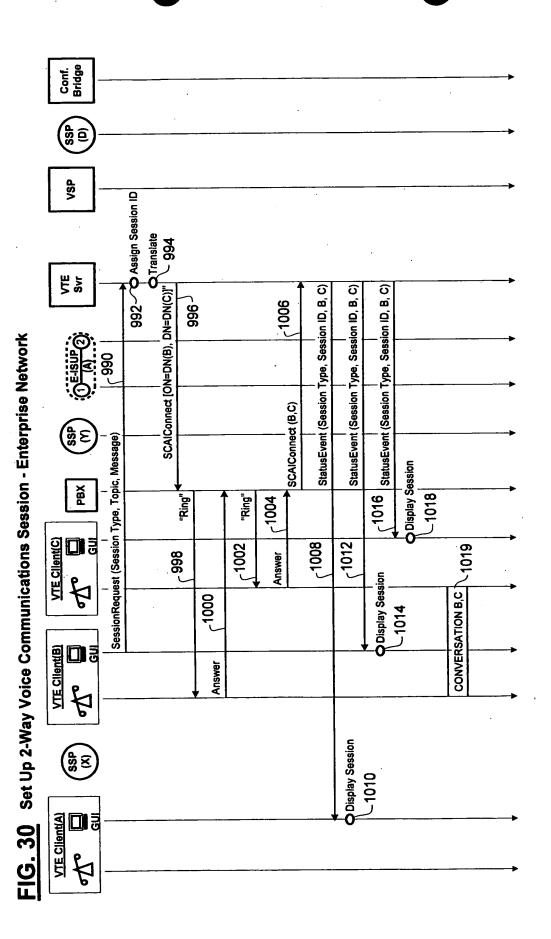
924

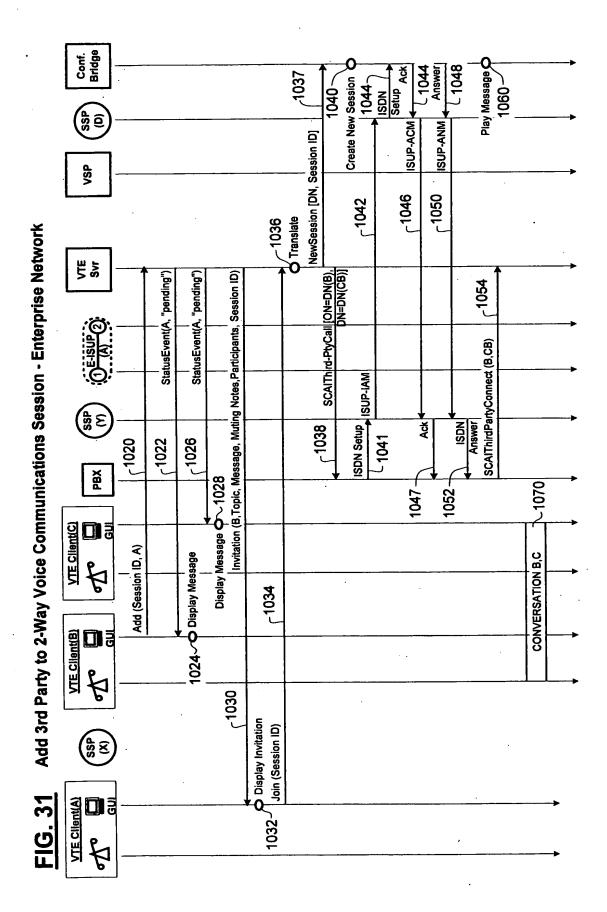
948 √ ĄĞ

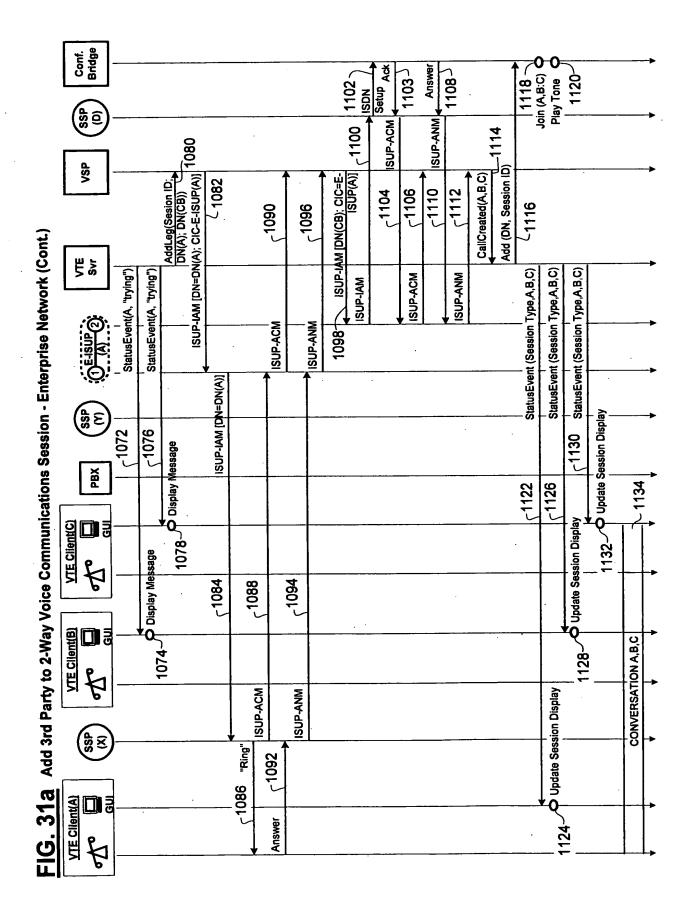
Release /

Conf. Bridge

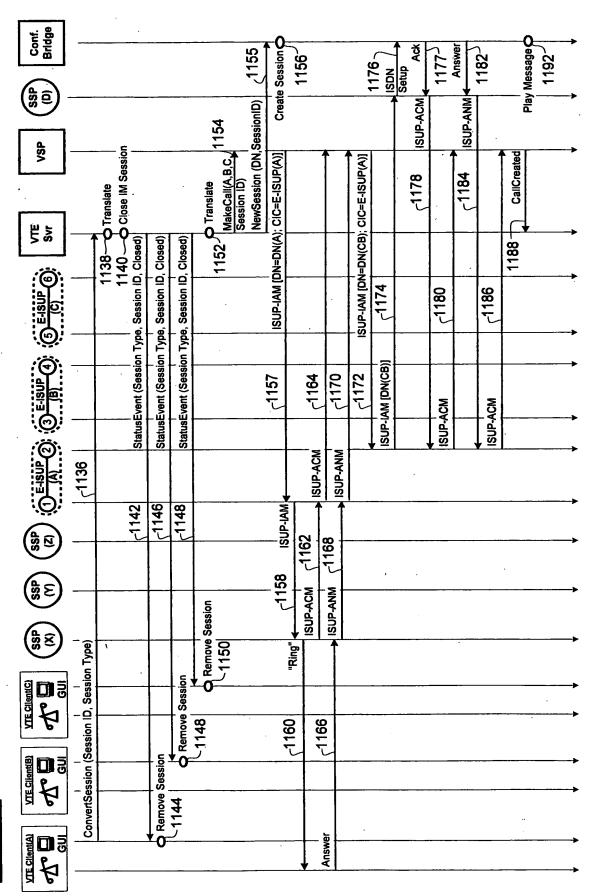
Conf. Bridge Ą 970~ Release SS (O) ISUP-RLC **-996** -962 VSP SessionClosed (Session ID) ISUP-REL [CIC=E-ISUP-REL [CIC=E-ISUP(C)] -964 -963 952 SY SY ISUP-RLC ISUP-REL Status Event (Session Type, Session ID, Closed) StatusEvent (Session Type, Session ID, Closed) StatusEvent (Session Type, Session ID, Closed) ISUP-RLC 096 950) ISUP-REL 954 926 Close 3-Way Voice Communications Session (Cont.) ISUP-RLC SSP (Z) idle line 926~ 980 984 SSP A Remove Session (R S S _ |-| 986 7 958 A Remove Session VIE Glentico **√982** Remove Session VIE Clienté FIG. 29a **678** € YTE Glentida A Cul



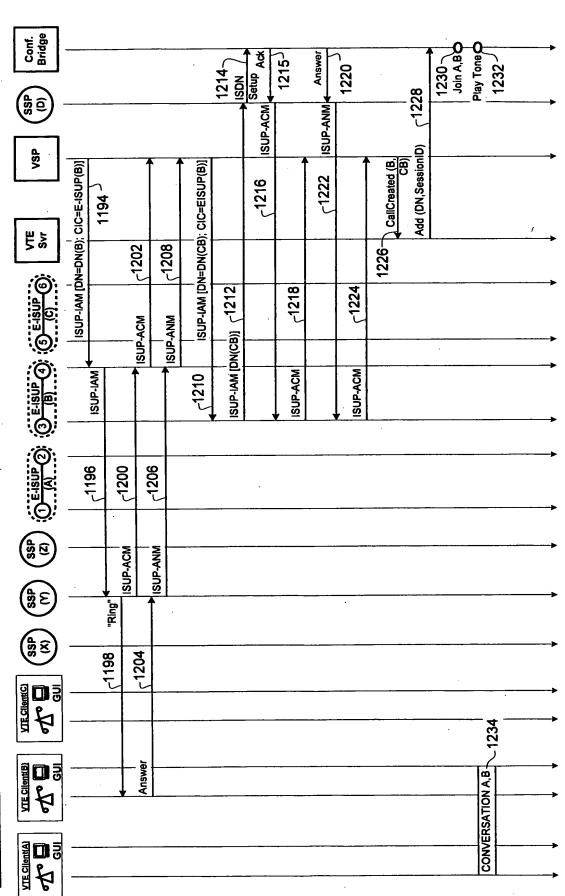




Convert 3-Way IM Session to 3-Way Voice Communications Session 32 FIG.



32a Convert 3-Way IM Session to 3-Way Voice Communications Session (Cont.)



Conf. Bridge Play Tone ĄČ 1257 Answer Join A,B 1274 1276-1262 1256-Setup SDN gg (0) ISUP-ANM 4 ISUP-ACM 1254⁷ VSP CallCreated (A,B,C) ISUP-IAM [DN(CB); CIC=E-ISUP(C)] ISUP-IAM [DN=DN(C),CIC=E-ISUP(C)] 1258₇ **1244**7 12647 1268₇ 1250₇ 1260₇ 1236 YE Svr ISUP-ACM ISUP-ANM SUP-IAM 1270-StatusEvent (Call, A, B, C) StatusEvent (Call, A, B, C) StatusEvent (Call, A, B, C) (GE-ISUP (G) 1252-ISUP-ACM ISUP-ANM FIG. 32b Convert 3-Way IM Session to 3-Way Voice Communications Session (Cont.) ISUP-IAM c1242 ر1248 (O E-18UP O ر1238 1278₇ 1286₇ 1282₇ ISUP-ACM ISUP-ANM SSP) "Ring" ▲ SS S ر1240 ر1246 O Display Session (g s O Display Session VIE Clientic Answer CONVERSATION A.B.C YE CHANGE O Display Session YTE Clientida Sulla Gui

Conf. Bridge SS (O) 1308 VSP 1296 Assign Session ID MakeCall(DN(A), DN(B), Session ID) 1298~ Translate 1306~ Translate \$ \$ Notification (B, Participant, B's IP Address, Session ID) Notification (A, Participant, A's IP Address, Session ID) Status Event (A, B, Session Type) Invitation (A, Session Type, Topic, Message, Session ID) -1310SEE STEPS 510 - 554 OF FIG. 26 ر1294 SSP (Z) ر1312 ر1316 1300ء 1304ء ر1320 SSP S O Display Session SessionRequest (B, Session Type, Topic, Message) SS X AcceptInvitation (Session ID) O Build MM Window O Display Session O Display Invitation VIE Glorido 1332 1326 VE Cloud B Initiate Session **Display Session** 1302~ MULTI-MEDIA SESSION A,B IPSet-up Data Transfer Build MM Window 1292 VTE Clent(A) Sul Sul 1314 1324-

FIG. 33 Set-up 2-way Multi-Media Session

FIG. 34 Add 3rd Party to Multi-media Session

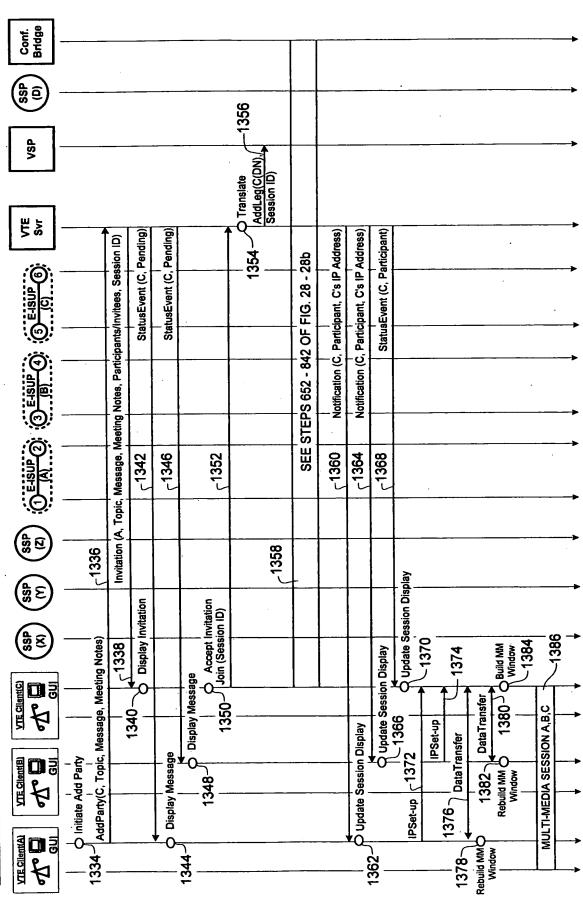
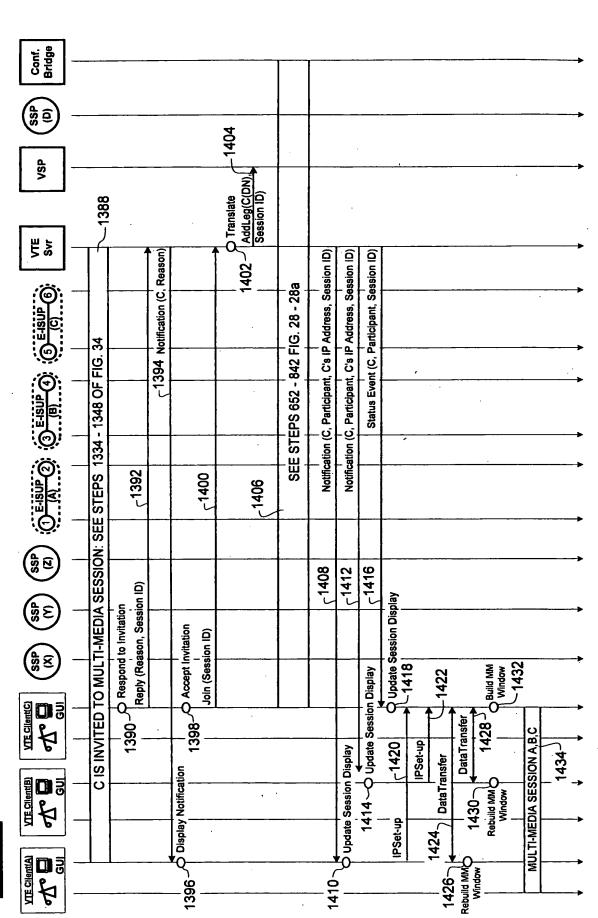
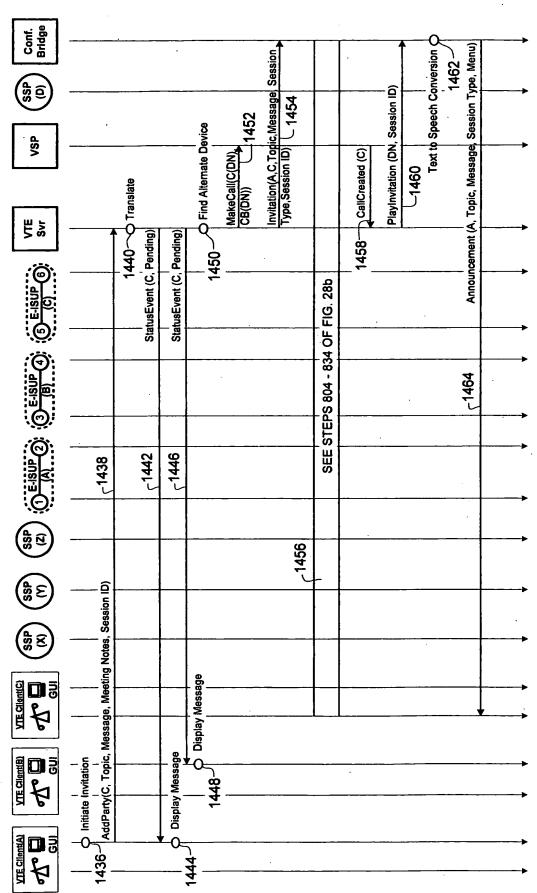


FIG. 35 Add 3rd Party to Multi-media Session (Deferred Acceptance)



Add 3rd Party to Multi-media Session (3rd Party Not Logged to VTE) FIG. 36



Conf. Bridge Accept (Session ID) LogonInstruction 88 (0) VSP CallCreated (A,B,C) 1472₇ \$ \$ 1476-SessionInfo. (Topic, Meeting Notes, Participants/Invitees, Session ID Status Event (C, Participant, Session ID) Notification (C, Participant, C's IP Address) Notification (C, Participant, C's IP Address) (O E-ISUP (C) Add 3rd Party to Multi-media Session (3rd Party Not Logged on to VTE) (Cont.) SEE STEPS 652 - 842 OF FIG. 28 - 28b O E-ISUP (C) 1494م (O E-ISUP Q) ر1480 ر1478 1468 ر1470 -1484 SSP) 1474 Login (User Name, Password) ر1490 Update Session Display **Build Session Window** (SS S 71492 Window Window 1510 -1512 Update Session Display -1500 VIE CHentico Accept DataTransfer 1506 1496 MULTI-MEDIA SESSION A,B,C الا 1498 IPSet-up O Update Session Display DataTransfer VIE Cliente Rebuild MM Window 1508 FIG. 36a IPSet-up YTE CHONTAN Rebuild MM 1502